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Structure and Mechanical Properties of Alloyed Titanium Welds, by S. M. Gurevich.

RUSSIAN, per, Metal i Obra Metalloy, No 8, 1958, pp 18-21.

HB 4315

Sci - Chem

Apr 61

147,430

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840058-0

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Effect of Grain Size on the Resistance of Steels to Cavitation Erosion, by I. N. Bogachev, R. I. Mints.

RUSSIAN, per, Metal i Obra Metallov, No 8, 1958, pp 26-29.

Henry Brutcher 4317
$2.80

Sci - Chem

Jan 59

79,595

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Effect of Nickel on Transformations Occurring
in Aluminum-Copper Alloys at Elevated Temperatures,
by A. Z. Zhmudskiy, P. A. Maksimyuk.

RUSSIAN, per, Metal i Obra Metallov, No 8, 1958,
pp 34-37.

Henry Brutcher 4319
$3.90

Sci - Engr

84,308

Apr 59

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Localized [Induction] Heat Treating of Electro-Slag Welds, by V. N. Novikov, et al.

RUSSIAN, per, Metal i Chera Metallov, No 8, 1958, pp 38-43.

Henry Brutcher 4320
$3.85

Sci - Engr

May 59

86,636

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Softening of Carburized Alloy Steels Preparatory to Machining, by Yu. G. Vyshkovskiy.

RUSSIAN, per, Metallovedenie i Obrabotka Metallov, Aug 1958, No 8, pp 43-46.

HB 4321

Sci-M/M
Mar 63

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Effect of Final Forging Temperature on Mechanical Properties of [Turbine-Disk] Forgings, by I. G. Genersom.

RUSSIAN, per, Metal i Obra Metallov, No 8, 1958, pp 46-51.

Henry
[redacted] Brutcher 4322
$4.20

Sci - Engineering
May 59

86,690

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Study of Ductile-Brittle Transition Temperature of Some Low-Alloy Steels, by A. P. Sanina, M. M. Timofeyev.

RUSSIAN, per, Metal i Chrm Metalloy, No 8, 1958, pp 57, 58.

Henry Brutcher 4324
$2.00

Sci - Engr

May 59

86,633

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Tempering Characteristics After Induction Hardening, by I. N. Kidin, E. V. Astaf'yeva, A. M. Marshalkin.

RUSSIAN, per, Metal i Obra Metallov, No 9, 1958, pp 2-12.

Henry Brutcher 4348
$9.50

Sci - Min/Met

Apr 59

84,262

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Study of Impact Fatigue Strength, by N. N. Davidenkov, E. I. Belyayeva.

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Henry Brutcher 4349
$2.80

Sci - Engr

May 59

86,641

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Some Properties of Iron-Copper Alloys Made by Infiltration Process, by I. N. Frantsevich, O. K. Teodorovich.

KUMMIAK, por, Metal i Obra Metallov, No 9, 1958, pp 20-23.

Henry Brutcher 4351
$3.90

Sci - Engr

84,365

Apr 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840058-0

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Transformations During the Heating of Quenched White Iron, by F. K. Tkachenko & V. F. Zubarev. RUSSIAN, per. Metallovedenie i Obrabotka Metallov, No 9, Sept 1958, pp 24-26.
HB 4352

Sci/Mat
June 68

358,236

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Effect of Pressure of Inert Gas Atmosphere in Melting Furnace on Gas Content of Metal, by D. S. Kamenetskaya.

RUSSIAN, per, Metal i Obra Metallov, No 9, 1958, pp 27, 28.

Henry Brutcher 4353
$2.65

Sci - Chem, Engr

84,264

Apr 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840058-0

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Properties of Surface Zone of Pierced Holes Having Various Carbide Contents, by I. L. Mirkin, T. A. Sirenko.

RUSSIAN, per, Metallovedenie i Obrabotka Metallov, No 9, 1958, pp 29-33.

HB 4354

Sci-M/M
Mar 63

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Influence of Heat Treatment Conditions Upon the Anisotropy of the Properties of Tool Steel Sheet, by E. I. Astrov.
RUSSIAN, per. Metallovendenie i Obrabotka Metallov, No 9, 1958, pp 33-38.
HB 4355

Sci-Mat
Apr 68

352.210

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On the Possibility of Raising the Pack Carburizing Temperature [for Auto Parts of Steel] to 980°C (1795°F), by A. M. Tarasov, M. R. Semenchenko.

RUSSIAN, per, Metal i Obra Metallov, No 9, 1958, pp 39-42.

HB 4356

Sci - Min/Met

May 60

116,552

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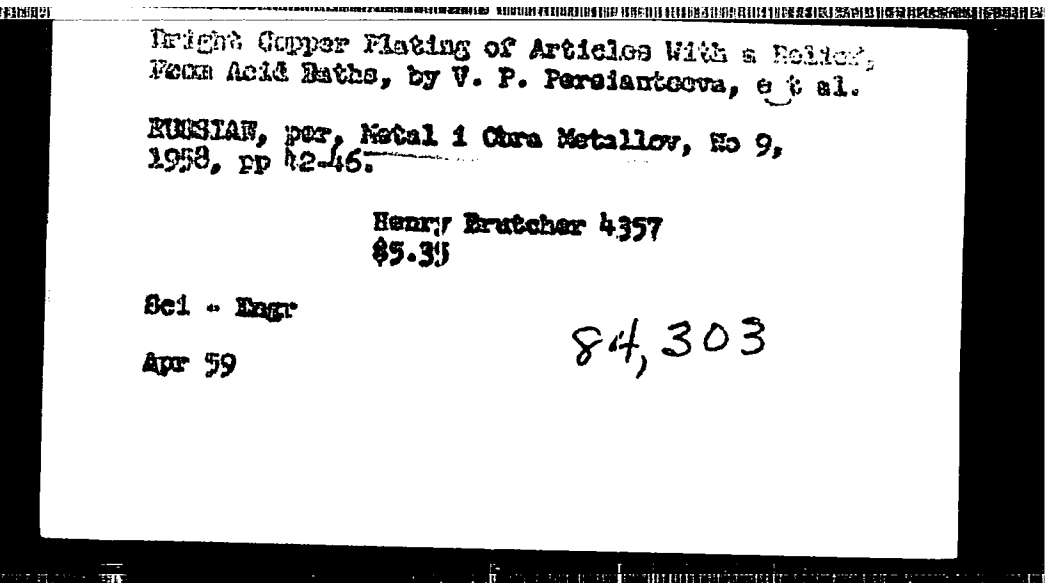

Bright Copper Plating of Articles With a Relief, From Acid Baths, by V. P. Persiantseva, e t al.

RUSSIAN, per, Metal i Chim Metallov, No 9, 1958, pp 42-46.

Henry Brutcher 4357
$5.35

Sci - Engr

Apr 59

84,303

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Effect of Strain Hardening on Creep Characteristics of AustMentic Steels, by N. D. Sazonova.

RUSSIAN, per, Metall i Obrab Metallov, No 9, 1958, pp 46-49.

HB 5358

Sci - Min/Met
Apr 62

190, 723

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Electromechanical Burnishing of Metals, by XX
B. M. Askinasi.

RUSSIAN, per, Metal i Obra Metallov, No 9, 1958,
pp 49-53.

Henry Brutcher 4359
$3.75

Sci - Min/Met

May 59

86,625

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Impact Strength of Low-Alloy Structural Steel SKhL-4 at Subzero Temperatures After Various Heat Treatments, by L. A. Galvoronskiy, et al.

RUSSIAN, par, Metal i Obra Metallov, No 9, 1958, pp 54, 55.

Henry Brutcher 4360
$2.00

84,252

Sci - Engr

Apr 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840058-0

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Phases Present in Chromium-Nickel Austenitic Steels Containing Titanium, by V. I. Prosvirin.

RUSSIAN, per, Metal i Obra Metallov, No 10, 1958, pp 2-5.

Henry Brutcher 4387
$2.75

Sci - Min/Met

May 59

86,628

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TTT Diagram for Spheroidal-Graphite Cast Iron, by D. Rashoyev.

RUSSIAN, per, Metal i Obra Metallov, No 10, 1958, pp 5-10.

Henry Brutcher 4388
$5.25

Sci - Min/Met
May 59

86,638

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EFFECT OF TRANSFORMATIONS ON STRESS RELAXATION DURING THE TEMPERING OF STEEL 30KHGSNA AND AGING OF ALUMINUM ALLOY B95, BY A. A. GOL'DENBERG.

RUSSIAN, PER, METALLOVED I OBRAB METALLOV, NO 10, 1958, PP 11-17.

HB 4389

SCI - MIN/MET
AUG 62

206,995

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Effect of Heat Treating on Temperature vs. Impact Strength Curve, by V. K. Tselikov.

RUSSIAN, per, Metall i Obra Metallov, Oct, 1958, allo 10, pp 17-22.

Brutcher 4390

Sci - Min/Met

Jun 59

90, 045

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Failure of High-Temperature [Ni-Base] Alloys Under Thermal and Stress Cycling, by K G. V. Kurgnov, Yu. A. Satina.

RUSSIAN, per, Metal i Obra Metallov, No 10, 1958, pp 23-27.

MB 4391

Sci - Min/Met

Nov 59

100,355

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Study of White Layers under Conditions of Wear Entailing Destructive Pitting, by F. Ya. Iolkheles.

RUSSIAN, per, Metall i Obra Metallov, No 10, Oct 1958, pp 28-33.

Brutcher 4392

Sci - Min/Met

Jun 59

90,035

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Dilatometric Study of Physical Chemistry of Sulfidizing Process, by T. P. Gil'man.

RUSSIAN, per, Metal i Obra Metallov, No 10, 1958, pp 33-36.

Henry Brutcher 4393
$3.50

Sci - Chem

84,307

Apr 59

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Effect of Cold Rolling and Heat Treating Conditions on Structure of Steel EI 428, by E. Yu. Chaeadurova.

ROSSIKA, per, Metal i Obra Metallov, No 10, 1958, pp 36-40.

Henry Brutcher 439
$3.85

84,248

Sci - Engr

Apr 59

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Heating Power of Nitrate Baths, by P. M. Yakovlev.

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Henry Brutcher 4396
$3.65

Sci - Chem

Apr 59

84,301

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Improvement of Mechanical Strength of Steel Components by Torsional Straining, by B. V. Panov
RUSSIAN, per, Metallovedenie i Obrabotka Metallov, No 10, Oct 1958, pp 50-56.
HB 4397

Sci-Materials
Aug 68 362,108

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Bright Quenching of Steel, by A. K. Bashkovayi.

RUSSIAN, per, Metal i Obra Metallov, No 10, 1958, pp 56, 57.

Henry Brutcher 4398
$2.00

Sci - Engr

Apr 59

84,300

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Interaction Between Some Sulfidizing Salts and Iron or Steel, by A. V. [illegible] Kriulin.

RUSSIAN, per, Metal i Obra Metallov, No 10, 1958, pp 58-62.

Henry Brutcher 4399
$3.80

Sci - Chem

Apr 59

84,261

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Structure, Properties, and Heat Treatment of New High-Speed Steels, by Yu. A. Geller, V. S. Kachanov. UNCL

RUSSIAN, per, Met i Obrat Metallov, No 11, 1958, pp 6-19.

MB 4427

Sci - Min/Met
May 60

115,662

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The Structure of the Grain Boundaries and the Heat Resistance of Austenitic Steel, by E. N. Sokolkov.

RUSSIAN, per, Metallov i Obra Metallov, No 11, 1958, pp 19-25.

DSIR M 2947
HC 4428

Sc1

Aug 61

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Effect of Temperature and Preceding Heat Treatment on Rupture Strength of an As-Cast and Wrought [Magnesium] Alloy, by A. A. Bochvar, et al.

RUSSIAN, per, Metal i Obrab Metallov, No 11, 1958, pp 32-37.

HD 4430

Sci - Engr

108,508

Feb 60

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New Method of Working Contacting Surfaces of Machine Parts, by I. V. Kudryavtsev, N. A. Balabanov. RUSSIAN, per, Metal i Obra Metallov, No 11, 1958, pp 44-50.
HB 4432

Sci - Engr
May 64

258,379

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Effect of Some Technological and Design Factors on the Mechanical Properties of Welds in High-Strength Constructional Steels, by O. L. Bendryshev.

RUSSIAN, per, Metallovedenie i Obrabotka Metallov, No 11, 1958, pp 51-56.

HB 4433

Sci-M/M
Mar 63

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Contact Fatigue of Medium-Carbon Steel Induction Hardened, Instead of Carburized, by T. B. Newsroom.

RUSSIAN, per, Metal obra Metallov, Moll, 1958, pp 57-59.

EM 4434

Sci - Mln/Met

Nov 59

109, 353

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Thermomagnetic Treatment of Magnetically Soft Alloys With a Rectangular Hysteresis Loop in Vacuum Furnaces, by O. N. Al'tgauzen, et al.

RUSSIAN, per, Metal Chra Metallov, No 11, 1958, pp 60-62.

HB 4435

Sci - Min/Met

109,345

Nov 59

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High-Temperature Properties of Multiple-Alloyed Ferrite, by A. M. Borodyka, A. V. Merlina,

RUSSIAN, per, Metal i Obra Metallov, Dec, 1958, No 12, pp 10-16.

Brutcher 4443

Sci - Min/Met

Jun 59

90,044

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Mechanical Properties of Tool Steels, by Ya. B. Fridman, V. P. Konoplenko.

RUSSIAN, per, Metallov Obra Metall, No 12, 1958, pp 2-9.

HE 4442

Sci - Min/Met, Engr

Nov 59

101, 223

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Effect of Sintering Temperature on Properties of Iron-Nickel-Aluminum Powder Alloys, by A. B. Altman.

RUSSIAN, per, Metal i Obra Metallov, No 12, 1958, pp 17-20.

Henry Brutcher 4444
$3.75

Sci - Engr

May 59

86,639

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Residual Stresses Set Up in Surface Hardening, by V. V. Abramov.

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HB 4445

Sci - Min/Met

Feb 61

1435, 045

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Quenching With Water/Air Mixtures, by M. E. Blanter, et al.

RUSSIAN, per, Metal i Obra Metallov, No 12, 1958, pp 29-35.

Henry Brutcher 4446
$4.65

Sci - Min/Met

May 59

86,599

RUSSIAN-to FRENCH
OTS 77-62-21097

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Distortion of Steel Surface-Hardened by Induction Heating, by Yu. M. Bogatyrev, V. P. [illegible]

RUSSIAN, per, Metal i Chra Metallov, Dec, 1958, No 12, pp 35-41.

Brutcher 4447

Sci - Min/Met

Jun 59

30,046

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840058-0

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Season Cracking of Brass in Ammonia, by A. N. Kondrat'ev,

RUSSIAN, per, Metal i Obra Metallov, No 12, 1958, pp 45-52.

HB 4449

Sci - Chem

Apr 61

144, 986

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Effect of Electroplating Conditions on Structure and Wear Resistance of Iron Deposits, by Yu. N. Petrov.

RUSSIAN, per, Metall i Obra Metallov, [illegible] 1958, No 12, pp 53-56.

Brutcher 44.50

Sci - Min/Met

Jun 59

90,041

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840058-0

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Study of Resistance of Steel to Wear by Napron [Nylon] Thread, by P. T. Basko.

RUSSIAN, per, Metall i Obra Metallov, No 12, Dec, 1958, pp 56-57.

Brutcher 4451

Sci - Min/Met

Jun 59

90, 042

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840058-0

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Study of Boron-Alloyed High Chromium-Nickel [Hypereutectoid] Cast Iron, by G. S. Kachalkin.

RUSSIAN, per, Metall i Obra Metallov, No 12, [illegible] 1958, pp 58-61.

Brutcher 4452

Sci - Min/Met

Jun 59

90,034

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Kaznachei, B. Ya. and Zhogina, V. M.
CONDITIONS OF GALVANIC DEPOSITION VS MAGNETIC CHARACTERISTICS OF NICKEL COBALT ALLOYS. [1961] 23p. 10 refs.
Order from OTS or SLA $2.60 61-18920

Trans. of mono. Metallovedenie i Obrabotka Tsvetnykh Metallov i Splavov: Sbornik Statei, 1957, p. 77-90.

DESCRIPTORS: *Nickel, *Cobalt, *Alloys, *Electrodeposition, *Coatings, Magnetic properties, Thickness, Chlorides, Sulfates, *Electrolytes, Temperature, Density, Contamination, Additives.

To obtain an electro deposited nickel-cobalt alloy with a coercive force of 200-300 oersted and residual induction 5000-6000 gauss, it was necessary that the nickel content in the alloy deposited by 15-34%. To obtain an alloy with a nickel content of 15-34% from sulphate electrolyte, a ratio of nickel and cobalt salt concentra-
(Chemistry--Physical, TT, v. 6, no. 10) (over)

61-18920

I. Kaznachei, B. Ya.
II. Zhogina, V. M.

[illegible]369

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Annotated Bibliography of Soviet Works on High-Temperature Metals and Alloys (1951-55), [redacted]
by M. N. Tur, 78 pp.

RUSSIAN, bk, Metally i Splavydlya Vysokikh Temperatur, Uzasatel' Otechestvennoy i Inostrannoy Literatury i

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Metallochemical Properties of the Periodic Systems, by I. I. Kornilov, RUSSIAN, bk, Metallokhimicheskie Svoistva Elementov Periodicheskoi Sistemy, *(U)

Sci-Math
Dec 66

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DESCRIPTORS: *Alloys, *Fatigue (Mechanics), *Failure (Mechanics), High temperature research.

(Metallurgy--Structural, TT, v. 6, no. 7)

61-22787

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II. MT Trans-33
III. Tollemache, M. de O. (Gt. Brit.)

Office of Technical Services

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DESCRIPTORS: *Electroplating, Coatings, Iron, Chlorine, Electrolytes,

For abstract see Technical Translations 2: 351, 1959.

(Machinery--Manufacturing, TT, v. 7, no. 7)

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I. Petrov, Yu. N.
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METAL I TERM OBRA METALLOV, NOS. 1 THROUGH 12, 1959

COVER - COVER: HENRY BRUTCHER

AVAIL LY SERIALS

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METAL I TERM OBRA METALLOV, NOS. 1, 1961 THROUGH

NO. 12, 1962.

COVER - COVER: ACTA METALLURGICA

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NOS. 1, 1963 THROUGH NO 2, 1964.

COVER - COVER: CONSULTANTS BUREAU

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NCH-201 509 Field 13H

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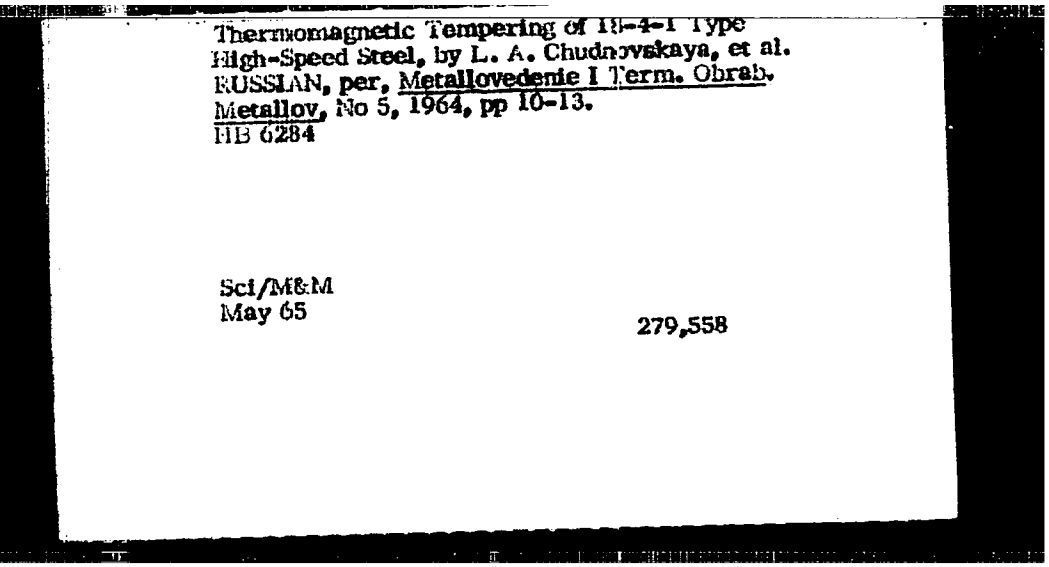

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JPRS 29652

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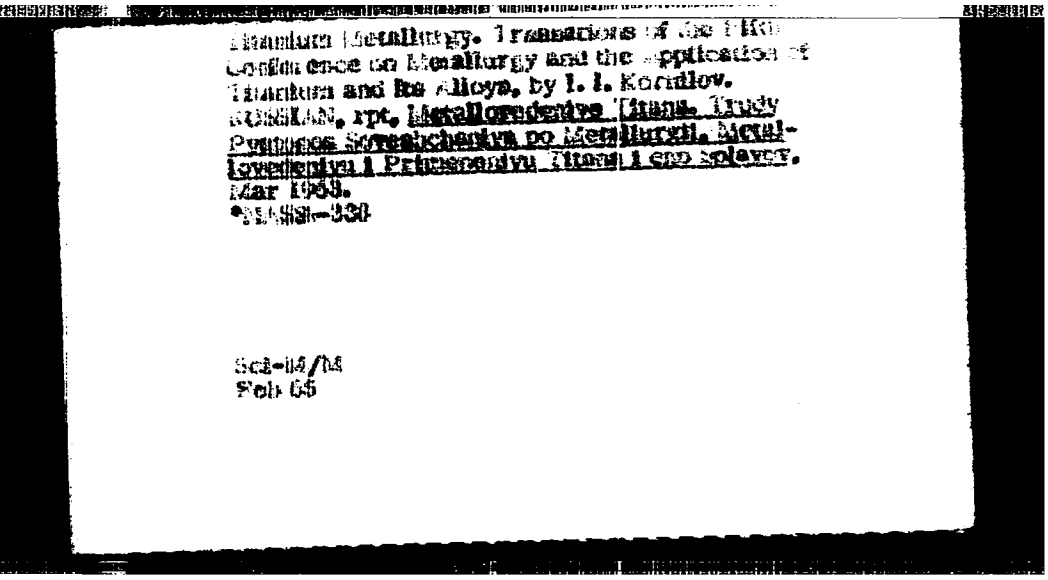

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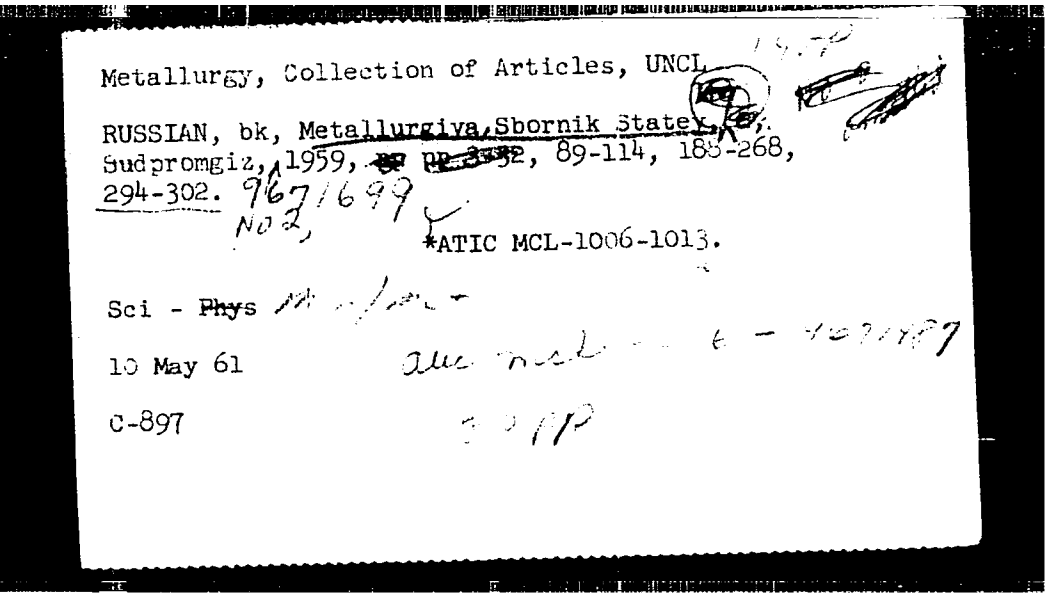

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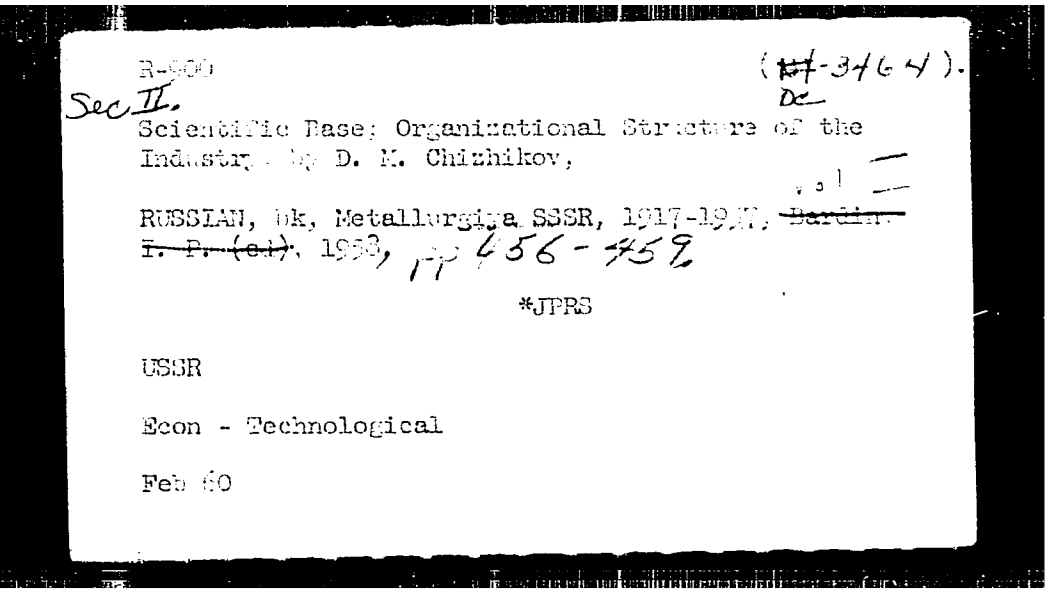

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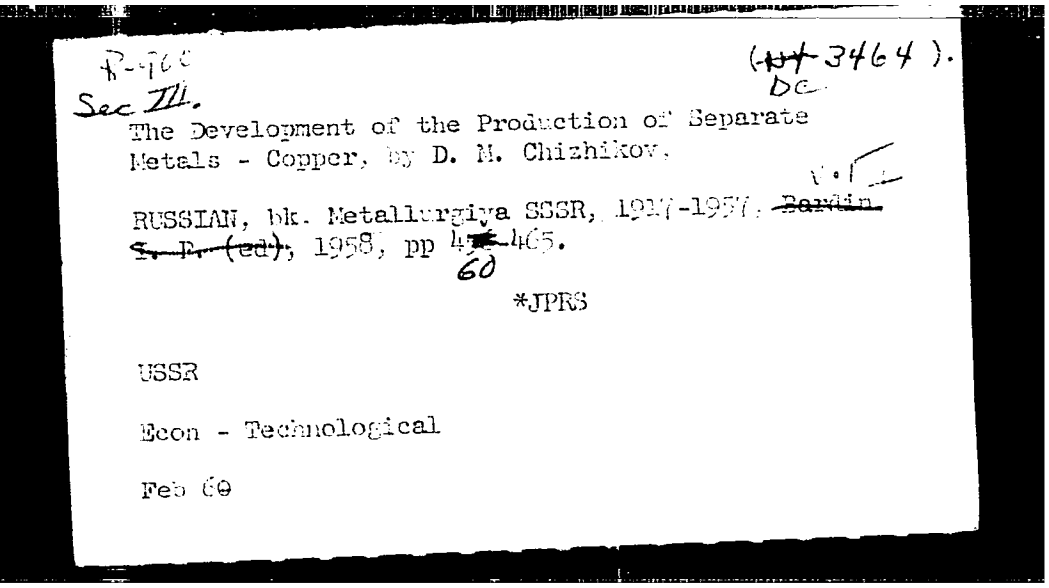

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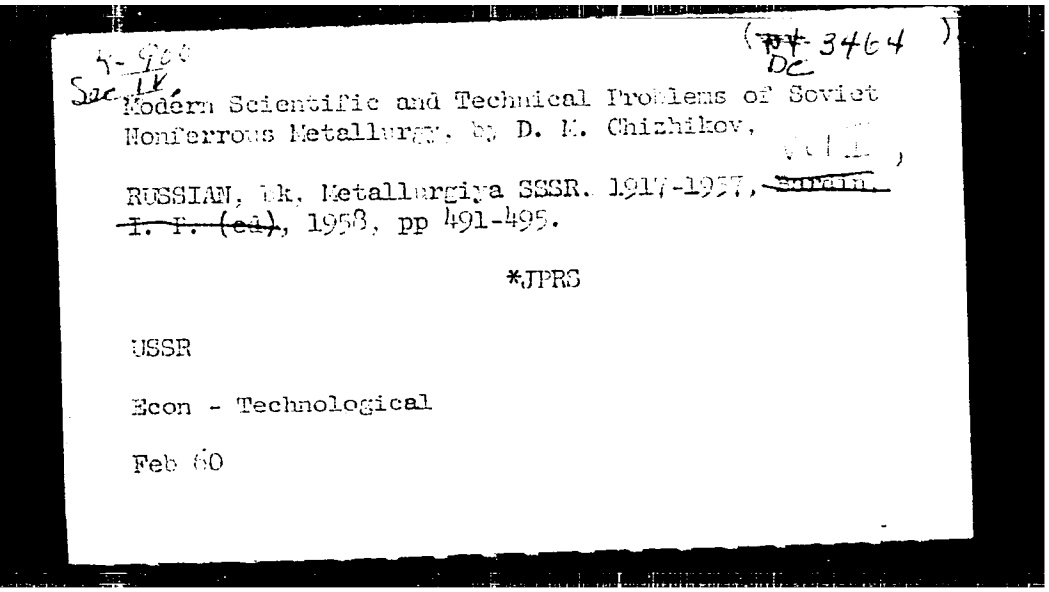

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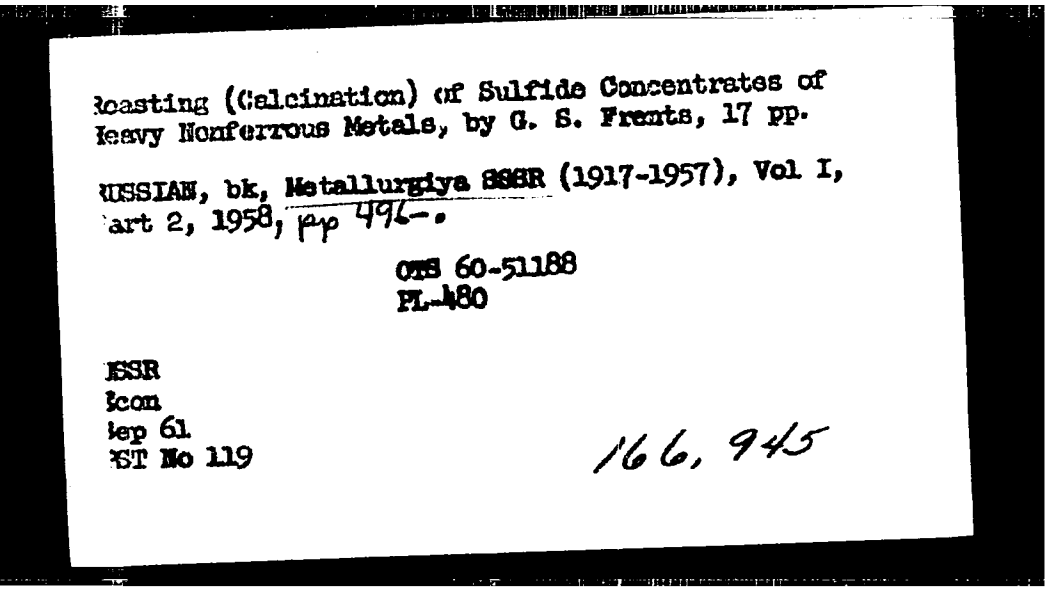

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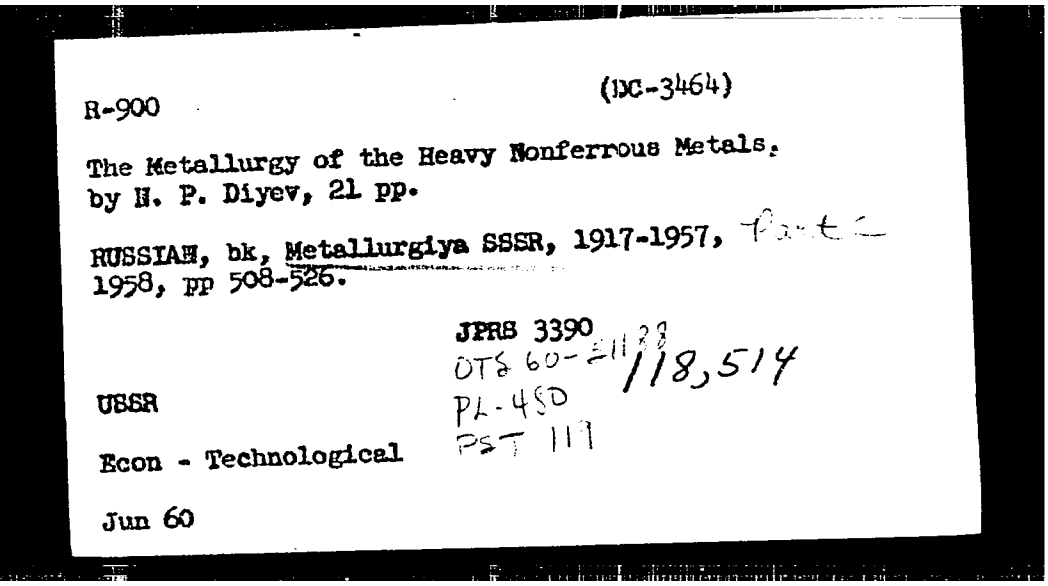

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